

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

7-33 Reserve

COTTON LITERATURE

SELECTED REFERENCES

PREPARED IN THE LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE
WITH THE COOPERATION OF THE BUREAU OF AGRICULTURAL ECONOMICS,
AGRICULTURAL MARKETING SERVICE, BUREAU OF PLANT INDUSTRY,
AND BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,
AGRICULTURAL MARKETING SERVICE, WASHINGTON, D. C.



Vol. 11 February, 1941 No. 2

CONTENTS

Production.....	37
Botany.....	37
Genetics and Plant Breeding.....	37
Agronomy.....	38
Diseases.....	43
Insects.....	44
Farm Engineering.....	46
Farm Management.....	46
Farm Social Problems.....	47
Cooperation in Production (One-Variety Communities).....	47
Preparation.....	48
Ginning.....	48
Baling.....	48
Marketing.....	49
Demand and Competition.....	49
Supply and Movement.....	54
Prices.....	58
Marketing and Handling Methods and Practices.....	59
Marketing Services and Facilities.....	59
Marketing Costs.....	61
Cooperation in Marketing.....	61
Utilization.....	61
Fiber, Yarn and Fabric Quality.....	61
Technology of Manufacture.....	64
Technology of Consumption.....	64
Cottonseed and Cottonseed Products.....	68
Legislation, Regulation, and Adjudication.....	71
Legislation.....	71
Regulation.....	73
Adjudication.....	76
Miscellaneous-General.....	76

COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

"Abbreviations Used in the Department of Agriculture for Titles of Publications" (Miscellaneous Publication No. 337) is the authority for abbreviations used in COTTON LITERATURE.

PRODUCTIONBotany

223. Nickerson, R. F., and Leape, C. B. Distribution of pectic acid in cotton fibers. *Indus. and Engin. Chem. (Indus. ed.)* 33(1): 83-86. Jan. 1941. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 J825
Literature cited, p. 86.
224. Phillis, E., and Mason, T. G. The effect of ringing and of transpiration on mineral uptake. *Ann. Bot. (n.s.)* 4(15): 645-650. July 1940. (Published by Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E.C. 4, England) 450 An7
Literature cited, p. 650.
"Paper no. 22 from the Physiological Department of the Cotton Research Station, Trinidad." Sea Island cotton plants were used in the experiment.
Also issued as Trinidad Cotton Res. Sta. Mem. Ser. B, *Physiol.* no. 13, pp. 645-650. 1940.
225. Phillis, E., and Mason, T. G. The effect of ringing on the upward movement of solutes from the root. *Ann. Bot. (n.s.)* 4(15): 635-644. July 1940. (Published by Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E. C.4, England) 450 An7
Literature cited, p. 644.
"Paper no. 21 from the Physiological Department of the Cotton Research Station, Trinidad." Sea Island cotton plants were used in the experiment.
Also issued as Trinidad Cotton Res. Sta. Mem. Ser. B, *Physiol.* no. 13, pp. 635-644. 1940.

See also Items nos. 257, 371.

Genetics and Plant Breeding

226. Mendes, A. J. T. Polyploid cottons obtained through use of colchicine. I. Cytological observations in octoploid *Gossypium hirsutum*. *Bot. Gaz.* 102(2): 287-294. Dec. 1940. (Published by University of Chicago Press, Chicago, Ill.) 450 B652
Literature cited, p. 294.
227. Ware, J. O. Relation of fuzz pattern to lint in an Upland cotton cross. *Jour. Hered.* 31(11): 489-496. Nov. 1940. (Published by American Genetic Association, 32nd St. and Elm Ave., Baltimore, Md.) 442.8 Am3
Literature cited, p. 496.

228. Yamada, N. Asiatic and American cotton pollen tubes: behaviour in hybridization. Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(18): 463. Sept. 30, 1940. (Published at Shirley Institute, Didsbury, England) 241.4 B77

Abstract from Botany & Zoology, 1939, 7, 559-566, 729-736.

"Hybridization between two Asiatic and one American cotton strains has been performed successfully. No special difference was observed between the two reciprocal hybridizations. The greater majority of pollen tubes pass through the basal part of the style 12 hours after pollination. Feng has stated that 24 hours are required for the pollen tube to reach the basal part of the style. His experiments were carried out in a room at 25° C., but the author's were carried out on plants out-of-doors at 35° C. The germination rate of pollen on the stigma is somewhat lower in cross-pollination than in self-pollination. The breaking of pollen tubes and their malformation within the stylar tissue of the other strain are observed in cross-pollination. However, a great number of pollen tubes seem to reach the embryo sac safely and effect fertilization. The osmotic value of the leaf tissue is 2-3 atm. higher in Asiatic than in American cotton strains. The limit of sugar solution for the bursting of pollen grains is 1-5 mol. in the American strain and somewhat higher in the Asiatic strains. These differences may account for the bursting of pollen tubes and the production of malformations observed. The pollen tube with a certain osmotic value, passing through the stylar tissue with a lower value, may absorb too much water, so as to lead to its breaking (Asiatic within American). Pollen tubes with lower osmotic value within stylar tissue with a higher value are not able to absorb sufficient water for perfect formation so that malformations appear (American within Asiatic). - C." - Entire Item.

See also Items nos. 489, 498.

Agronomy

229. Allred, Charles E., Luebke, Benj. H., and Franklin, Ben A. Crop rotations practiced in Tennessee types of farming areas III, XI, and XIV. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociology Dept. Monograph no. 116, 27pp., processed. Knoxville, 1940. 173.2 W89Co no. 116.
230. Barroso, Liberato Joaquim. O algodão "verdão" e a sua fixação. O Campo 10(120): 60. Dec. 1939. (Published at Rua S. José, 52, Rio de Janeiro, Brazil) 9.2 C15
"Verdão" cotton and its establishment.
231. Bledsøe, R. P., and Gore, U. R. Cotton variety experiments at seven locations in Georgia, 1937-1940. Ga. Agr. Expt. Sta. Cir. 124, 4pp. Experiment, 1940. 100 G29S
Results of the experiments are given.

232. Brodell, A. P., and Cooper, M. R. Some factors affecting fertilizer consumption. U. S. Dept. Agr. Bur. Agr. Econ. F. M. 10, 29pp., processed. Washington, D. C., 1940.

Tables show: Estimated percentage of total United States consumption of fertilizer used by indicated crops in 1924, 1928, 1932, and 1936; Fertilizer applied per acre and the price paid per ton for fertilizer by farmers for cotton, 1938; Net returns per acre of cotton from the use of various quantities of fertilizer, South Carolina, 1924-39; Additional yields of seed cotton from successive applications of fertilizer; Costs incurred and value per acre of cotton lint and seed produced from each unit of fertilizer applied to cotton crops of South Carolina, 1924, 1932 and 1935.

233. Clark, Francis E. Notes on types of bacteria associated with plant roots. Kansas. Acad. Sci. Trans. 43: 75-84. 1940. (Published in Topeka, Kans.) 500 K13T

Literature cited, pp. 83-84.

"Comparisons of soil microfloras and of root microfloras of cotton, cereal and garden plants were made, by isolation and study of numbers of single cultures, and by use of selective or differential media for studies of the initially prepared serial dilutions of soil and root samples."

234. Cloaninger, B. D. Inspection and analysis of commercial fertilizers. S. C. Agr. Expt. Sta. Bul. 330, 163pp. Clemson, 1940.

Recommended fertilizer analyses and rates of application for cotton are included.

235. Cordero, Antonio Ampuero. La siembra y aclareo del algodón en el Valle Imperial, San Joaquín y Río Grande. Hacienda 35(9): 348. Sept. 1940. (Published at 20 Vesey St., New York, N. Y.) 6 H11

The planting and thinning of cotton in the Imperial, San Joaquin and Rio Grande Valleys.

236. Cotton tests at 4 stations during 1940. Miss. Farm Res. 4(1): 1, 2. Jan. 1941. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

Tables show results of variety tests at the experiment stations in Mississippi in 1940 with some comparisons for earlier years.

237. La Estación experimental agrícola de Tucumán distribuirá semillas de algodón de variedades mejoradas. Gaceta Algodonera 17(202): 15-17. Nov. 30, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

The agricultural experiment station at Tucumán distributes cottonseed of the improved varieties.

238. Faria, Carlos V. A defesa do algodão Mocó. Ouro Branco 6(5): 8-9, 29. Sept. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7

In defense of Mocó cotton.

239. [Fraps, G. S.] Fertilizers for east Texas cotton and corn. Prog. Farmer (Tex. ed.) 56(2): 30. Feb. 1941. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
Charts show increase in crop value for each dollar spent for fertilizer, and effect of fertilizer on yield.
240. Institut national pour l'étude agronomique du Congo Belge. Rapport annuel pour l'exercice, 1938. (2^{me} partie) Hors série 1939. 216pp. [Bruxelles, 1939]
Partial contents: Note sur l'expérimentation cotonnière [Note on cotton experimentation] by R. Pittery and M. Engelbeen, pp. 129-156; Aperçu sur l'expérimentation culturale a la station de Bambesa, durant la campagne 1938-1939. 1. Expérimentation cotonnière [Review of cultivation experimentation at the Bambesa station during the season 1938-1939. 1. Cotton experimentation] by R. Pittery, pp. 157-176; Quelques analyses de coton-graines de la région Nord--campagne 1937-38, [Some analyses of seed cotton of the North region--season 1937-38] by M. Waelkens, pp. 184-216.
241. Johns have a cotton system. Ariz. Farmer Prod. 19(21): 11. Oct. 12, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44
Methods of cultivating long staple cotton followed by J. C. John, Gila Valley, Arizona, cotton farmer are noted.
242. Klein, Jack. Fertilizing California cotton. Calif. Cultivator 87(26): 700. Dec. 28, 1940. (Published at 317 Central Ave., Los Angeles, Calif.) 6 C12
"The application of 200 pounds of 10-10-0 fertilizer per acre with the first cultivation following chopping" is recommended.
243. Latham, Earle E. Relative productivity of the A horizon of Cecil sandy loam and the B and C horizons exposed by erosion. Amer. Soc. Agron. Jour. 32(12): 950-954. Dec. 1940. (Published in Geneva, N. Y.) 4 Am34P
Illustrations of yields of cotton are given by the author.
244. Lipkind, I. [New method for determining in the field the nitrogen-fertilizer requirement of the cotton plant] Sovetskii Khlopok no. 7, pp. 57-59. July, 1939. (Published in Moskva, U. S. S. R.) Libr. Cong.
In Russian.
Literature, p. 59.
"Toward the end of the period of vegetation a thin section (1.5 mm.) of the stem is immersed in 3 drops of Ph_2NH soln. (0.263 g. dissolved in 230 cc. distd. H_2O and made to 1 l. with concd. H_2SO_4) and shaken, and the color is examd. at the end of 3 min. Intense blue coloration of the soln. (due to nitrates) proves the presence in the soil of sufficient nitrifiable N; when the section only, but not the soln., is colored blue, N fertilization is necessary. - Papineau-Couture." - Chem. Abs. 34(16): 5589. Aug. 20, 1940.

245. Meisakhovich, Ia. A plant for treating cotton seeds with sulphuric acid. Lenin Acad. of Agr. Sci. of U. S. S. R., Proc. 17: 17-19. 1940. (Published in Moskva, U. S. S. R.) 20 Ak1

References, p. 19.

In Russian. Titles in English.

246. Mirchandani, T. J. Sind. Indian Farming 1(6): 290-292. June 1940. (Published by Imperial Council of Agricultural Research, New Delhi, India) 22 In283

"The expansion in the cultivation of cotton has exceeded expectations, especially in regard to the cultivation of long-stapled American cotton, which has risen from 8 per cent. in 1932 to 65 per cent. in 1937-38. New strains have been evolved by the Dept. of Agriculture--Sind Sudhar (289F-1) for the left bank and 4F-98 for the right bank. The former yields 8-10 maunds per acre, has a staple of 1 inch, ginning outturn of 30, and spins 43 counts. 4F-09 yields 6-8 maunds per acre, has a staple of 7/8 to 15/16 inch, a ginning outturn of 34, and spins 36 counts. The improved desi cotton, Sind NR (27WN), evolved by the Department has a yield of k/10 maunds per acre against the pre-Barrage variety, which gave 4/5 maunds per acre. The work on Egyptian and high-quality cotton is in progress at Mirpurkhas in Tharparkar district, where climatic conditions are more suited to these cottons. Two varieties, Boss III-16 and Sea Island, spinning 80 and 74 counts respectively, and both with a staple of 1 1/4 inches, are being grown on a small scale." - Empire Cotton Growing Rev. 17(2): 88. Dec. 1940.

247. Naked cottonseed. Business Week, no. 593, pp. 30, 31. Jan. 11, 1941. (Published at 330 W. 42nd St., New York, N. Y.) 280.8 Sy8

"Science is taking the fuzzy coat off the cottonseed in the hope of revolutionizing an industry. The coming growing season will mark the first large-scale planting of cottonseed from which the linty outer covering has been entirely removed by a chemical and mechanical process... The fuzzy seed has been charged with three major crimes against the cotton grower: (1) harboring insects and diseases... (2) concealing weak and diseased seeds... (3) making the seed hard to plant and necessitating excessive and irregular planting."

248. New varieties of Egyptian cottons. Cotton [Manchester] 46(2241): 8. Dec. 21, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826

"Advices from Cairo state that the Cotton Research Board of the Egyptian Ministry of Agriculture has propagated two new varieties of cotton, which have been named for the present Giza 31 and Giza 36." Earlier varieties have been renamed as follows: Giza 12 became "Wafeer," Giza 26 "Malaki," and Giza 29 "Karnak."

249. Nye, G. W. Some results from Bukalasa experiment station. East African Agr. Jour. 5(6): 460-465. May 1940. (Published at Nairobi, Kenya) 24 Ea74
Rotations, methods of cotton cultivation, etc., at the station are described.
250. Robert, J. C. More cotton per acre from 4 tons of stable manure than from any amount of fertilizer: 8-year results, Poplarville. Miss. Farm Res. 4(1): 8. Jan. 1941. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)
251. Robinson, M. E. Watson and Acala cotton. Prog. Farmer (Tex. ed.) 56(1): 4. Jan. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
A letter to the editor discussing the results of a variety test at the U. S. Cotton Field Station, Greenville, Texas, and published in the November 1940 issue under the title, Cotton Varieties.
252. Soil science society of America. Proceedings 1939, vol. 4. 455pp. Morgantown, W. Va. [1940] 56.9 So3 v. 4
Volume 4 contains papers presented at the meeting held in New Orleans, La., November 22-24, 1939.
Partial contents: Fertilizer requirements of the red and yellow soils of the southeast, by G. B. Killinger, pp. 255-259; Soil conditions in relation to the response from green manure applications, by Horace J. Harper, pp. 266-270; The use of the harvested part of the crop in estimating the effect of cotton fertilizers on the base supply of the soil, by W. B. Andrews and Roland Cowart, pp. 275-280; Cotton fertilizers and diseases--Nutritional deficiency symptoms in cotton, by H. P. Cooper, pp. 322-324; Relation of fertilizers, crop residues, and tillage to yields of cotton and incidence of root-rot, by H. V. Jordan, H. A. Nelson, and J. E. Adams, pp. 325-328; Chemistry and growth of cotton in relation to soil fertility and root-rot, by J. E. Adams, R. C. Wilson, L. E. Hessler, and D. R. Ergle, pp. 329-332; A regional study of the relationship of potash treatments to the development of cotton wilt under widely varying conditions of soil and environment [abstract] by Albert L. Smith, p. 332; The development of wilt in a wilt-resistant and in a wilt-susceptible variety of cotton as affected by N-P-K ratio in fertilizer [abstract] by H. B. Tisdale and J. B. Dick, pp. 333-334; A summary of recent seed treatment investigations by the Cotton seedling disease committee [abstract] by D. C. Neal, pp. 334-335.
253. Thrower, Whit. New acid delinted cottonseed will make appearance in 1941. Cotton and Cotton Oil Press 42(1): 10-11. Jan. 4, 1941. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
A new cottonseed for planting purposes, known as ChemiClean, and distributed by the Corneli Seed Co., of St. Louis, is described.

254. [U. S. Dept. of agriculture. Agricultural marketing service.]
Choice of seed for planting is talked on radio. Increased yields of recent years believed due in measure to better seed. Cotton Trade Jour. 21(3): 2. Jan. 18, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
255. As vendas de sementes de algodão para a próxima safra. Ouro Branco 4(6): 23. Oct. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
The sale of cottonseed for the next crop [in São Paulo, Brazil]
256. Wasson, R. A., Sturgis, M. B., and Taggart, W. G. Fertilizers for field crops in Louisiana. La. Agr. Col. Ext. Cir. 167, rev., [6]pp. [Baton Rouge] 1938. 275.29 L93C
Cotton is included.

See also Items nos. 276, 326, 330, 335, 338, 340, 341, 343, 346, 348, 349, 350, 352, 410, 471, 472, 475, 476, 477, 483, 485, 489, 494, 498, 499, 501.

Diseases

257. Dunin, M. S., ed. Virus diseases of plants. 240pp. Moskva, 1938. (Vsesoiuznaia Akademiia Sel'skochoziaistvennykh Nauk, vol. 2) 464.32 V96 v. 2
In Russian, titles in English.
Partial contents: A new disease of cotton in Azerbaijan, by D. D. Verderovskii, pp. 29-55; Physiological changes in cotton plants, by L. Kara-Murza, pp. 56-72; A study of the insect vector of virus diseases of cotton, by V. N. Rekach, pp. 220-221.
258. Higgins, B. B. Outbreak of ascochyta blight of cotton in Georgia. U. S. Dept. Agr. Bur. Plant Indus. Div. Mycol. and Dis. Survey. Plant Dis. Rptr. 24(15): 327-328. Aug. 15, 1940. (Published in Washington, D. C.) 1.9 P69P
259. National plant nematode conference. Proceedings of the third, Birmingham, Alabama, February 9, 1940. U. S. Dept. Agr. Bur. Plant Indus. Div. Mycol. and Dis. Survey. Plant Dis. Rptr. Sup. 124, pp. 135-150. Nov. 1, 1940. (Published in Washington, D. C.) 1.9 P69P
Abstracts of the following papers are given: Comparison of crop rotation and fallowing as methods of control for root knot of cotton under irrigation, by C. J. King, p. 143; Recent field observations on tomato and cotton root-knot nematodes, by C. D. Sherbakoff, p. 146; The distribution and relation of the meadow nematode, Pratylenchus pratensis, to Fusarium wilt of cotton in Georgia, by A. L. Smith, p. 146; Nematode population and species determination studies on soils from the regional cotton wilt plots, by A. L. Taylor, pp. 147-148.

See also Items nos. 233, 252, 471, 476, 489, 498, 499.

Insects

260. Audant, Andre. Le charançon du cotonnier en Haiti. Haïti. Service National de la Production Agricole et de l'Enseignement Rural. Bul. no. 16, pp. 64-94. Port-au-Prince, [1940] 8 H123 no. 16
The boll weevil (*Anthonomus grandis* Boheman) of cotton in Haiti.
261. Bitancourt, A. A. Problemas do Instituto biologico. Biologia vegetal II. O Biologico 6(11): 322-331. Nov. 1940. (Published in São Paulo, Brazil) 442.8 B529
Cotton insects, p. 326.
262. Brandão, Jose Soares. Percevejos que mancham o algodão. Agricultura e Pecuaria 9(211): 16-17. Oct. 1940. (Published at Rua da Quitanda, 188, Rio de Janeiro, Brazil) 9.2 Ag89
Plantbugs that stain cotton.
263. O combate ao pulgão do algodoeiro. Agricultura e Pecuaria 9(212): 13. Nov. 1940. (Published at Rua da Quitanda, 188, Rio de Janeiro, Brazil) 9.2 Ag89
Fighting the cotton grub.
264. Ecuador. Direccion general de agricultura y ganaderia. Informe anexo a la memoria del Sr. Ministro de agricultura, 1940. 130pp. Quito, Talleres graficos de educacion, 1940.
Las plagas del algodón [Pests of cotton] p. 40; Plagas de insectos estudiadas [Insect pest studies on *Garterocercodes gossypii*] p. 99.
265. Eddy, C. O., comp. Entomological progress. La. Agr. Expt. Sta. Bul. 323, 51pp. University, La., 1940.
Partial contents: Cotton flea hopper control in Louisiana, by I. J. Becnel, pp. 5-12; Control of the boll weevil, by R. C. Gaines, pp. 12-15; Recent information on sand wireworm control, by C. O. Eddy, pp. 43-44; Contact sprays, by C. O. Eddy and E.H. Floyd.
266. Ghesquière, J. Helopeltis du Kivu et de l'Ituri. Revue de Zoologie et de Botanique Africaines 33(1): 67-71. Nov. 25, 1939. (Published at 11, Chaussée de Louvain, Tervuren, Belgium) 410 R326
"Of the species of *Helopeltis* that occur in the eastern region of the Belgian Congo, *H. alluaudi* Reut., which attacks cotton, cacao, and *Capsicum*, was observed in 1937 puncturing the leaves of coffee in two localities in the region. *H. bergrothi* Reut., infests cotton, cacao, and leguminous cover crops in Ituri and Kivu, where it has been confused with another species, *H. orophila*, sp. n., which of recent years has increased in numbers at an alarming rate in plantations of cinchona, and has also been recorded from téa and eucalyptus. The adults of both sexes of

this species and four colour forms of it are described, and characters distinguishing it from H. bergrothi are given." - Empire Cotton Growing Rev. 17(2): 120. Dec. 1940.

267. Hamner, A. L. Nicotine sulphate dust for control of cotton aphids. Miss. Agr. Expt. Sta. Miss. Farm Res. 3(7): 1. July 1940. (Published in State College, Miss.) 100 M69Mi
"Attention is called to the importance of cotton aphid infestations of fruiting cotton, often overlooked by cotton planters. The best control for such infestations has been found to be a 5 percent nicotine sulfate dust (2 percent free nicotine) applied at the rate of 10 lb. per acre on cotton of average height." - U. S. Off. Expt. Stas., Expt. Sta. Rec. 83(6): 798. Dec. 1940.
268. Mallo, Roberto G. O combate aos hemípteros que atacam o algodoeiro, por meio de pulverizações sulfo-arsenicais. Ouro Branco 6(5): 12-16. Sept. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
To be continued.
Control of hemipterous insects that attack the cotton plant, by means of pulverized sulfoarsenicals.
269. Marchionatto, Juan B. Progresos realizados en el control de las plagas del algodón. Argentine Republic. Junta Nacional del Algodón. Boletín Mensual no. 68, pp. 594-598. Dec. 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3
Progress in the control of cotton pests.
270. Pyenson, Louis. The cotton leaf worm in the western hemisphere. Jour. Econ. Ent. 33(6): 830-833. Dec. 1940. (Published at 450 Ahnaip St., Menasha, Wis.) 421 J822
Literature cited, pp. 832-833.
271. Tanganyika Territory. Dept. of agriculture. Entomologist's report, 1938. Tanganyika Dept. Agr. Leaflet no. 17, 5pp. Dar Es Salaam, 1939. 423.92 T15 no. 17
Cotton pests, pp. 3-4.
272. Uspenskii, F. M. Contribution to the bioecology of the spider mite. Empire Cotton Growing Rev. 17(2): 121. Dec. 1940. (Published at King's Buildings, Dean Stanley St., Millbank, London, S.W. 1, England) 72.8 Em7
From Trud. sredneaz. Sta. Zashch. Rast., 2, p. 3. Tashkent, 1937.
"The effect of temperature and humidity on infestation of cotton by the red spider (Tetranychus turkestanii Ugar. and Nik.) was studied in Uzbekistan in 1935. From a comparison of data recorded in July-September, 1935, by meteorological stations in Kokand (Northern Uzbekistan) and Ashkhabad (Southern Turkmenistan),

with data on the fluctuations in the increase in the growth of infested cotton plants in selected plots there, the author concludes that the optimum conditions for a mass increase of the mite on cotton occur when the stations record a temperature of 29 to 30° C. (84.2 to 86° F.) and a relative humidity of 35 to 40 per cent. Infestation is considerably reduced by the Coccinellid, Stethorus punctillum Weise, which in 1935 practically eliminated the mite on cotton near Samarkand." - Entire item.

See also Items nos. 472, 476, 489, 499.

Farm Engineering

See Item no. 489.

Farm Management

273. Foster, Willett. Who said he was too old? Prog. Farmer (Tex. ed.) 56(1): 8. Jan. 1941. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
Farm practices of A. B. Nunley, El Paso County, Texas, cotton grower, are described.
274. Johnson, Sherman E. Adjustments to meet war impacts--The South. U. S. Dept. Agr. Bur. Agr. Econ. Agr. Situation 25(1): 11-14. Jan. 1941. (Published in Washington, D. C.) 1 Ec7Ag
Problems connected with the necessary curtailment of cotton production are discussed.
275. Munz, Charles Curtis. Prince pine vs. king cotton. Prog. Farmer (Tex. ed.) 56(1): 14. Jan. 1941. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
The author comments on the newsprint industry in the South and states that "few farmers will find the pine tree a substitute for cotton as a main cash crop."
276. National fertilizer association. Proceedings of the sixteenth annual convention...held at White Sulphur Springs, W. Va., June 3, 4 and 5, 1940. 95pp. [Washington, D. C.] 1940. 57.9 N21P
Some problems involved in raising farm income [in Alabama] by J. W. Tidmore, pp. 54-65.
277. Strauss, Frederick, and Bean, Louis H. Gross farm income and indices of farm production and prices in the United States 1869-1937. U. S. Dept. Agr. Tech. Bul. 703, 154pp. Washington, D. C., 1940.
Literature cited, pp. 152-153.
Cotton and cottonseed are included.

278. Tidmore, J. W. Some problems involved in raising farm income. Com. Fert. 62(1): 22, 24-33. Jan. 1941. (Published by Walter W. Brown Publishing Co., 223 Courtland St., N. E., Atlanta, Ga.) 57.8 C73

Low income in the cotton belt and methods of raising it are discussed.

279. U. S. Dept. of agriculture. Agricultural adjustment administration. Southern division. Increasing national income through the AAA farm program. U. S. Dept. Agr. Agr. Adjustment Admin. SRAC-9, 8pp. [Washington, D. C., 1940] 1.42 So8Sr

Describes briefly how the AAA farm program helps to increase farm income in the Southern states.

Farm Social Problems

280. U. S. Congress. Senate. Committee on education and labor. Violations of free speech and rights of labor. Hearings before a subcommittee...Seventy-sixth Congress, second session, pursuant to S. Res. 266 (74th Congress)...Part 51. California agricultural background. Cotton in California...San Francisco, California, December 20 and 21, 1939. pp. 18573-19002. Washington, 1940. 283 Un312V

The labor situation in the California cotton-growing industry is described.

281. U. S. Dept. of agriculture. New-ground settlement in the Mississippi delta (A tentative appraisal of the problem). 16pp., processed. Washington, D. C., 1941.

"The production of cotton on the new-ground farms creates a series of problems. The settlers generally depend upon cotton as their main source of cash, partly because the land is adapted to cotton production, and partly because they were cotton farmers before moving onto the new land."

See also Item no. 274.

Cooperation in Production (One-Variety Communities)

282. Deering, Ferdie. Caddo cotton growers say they make money by going down the line with Acala 8. Farmer-Stockman 54(2): 7. Jan. 15, 1941. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 Ok45

"For the past two years 21 organized one-variety communities, reaching every gin center in Caddo county, [Oklahoma] have planted only one variety - Acala No. 8."

See also Items nos. 367, 498.

PREPARATIONGinning

283. El desmote individual debe generalizarse aún más en nuestro país en la presente campaña. Gaceta Algodonera 17(202): 11-12. Nov. 30, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
The individual gin ought to be even more general in our country in the present season.
284. Gerdes, Francis L. Cotton ginning in Mississippi Delta topic of article by Leo Gerdes. Modern gin units proving of great value to farmers with trash-ridden, wet cotton. Delta Council News 2(5): 2. Jan. 20, 1941. (Published in Stoneville, Miss.)
285. Getman, A. K., and Gregory, R. W., ed. Contributions of leading Americans to agriculture. 74pp. Des Moines, Iowa, Meredith publishing co., 1940. 119 G33
Eli Whitney--1767-1825, by John T. Wheeler, pp. 9-13. The invention of the cotton gin is described.
286. Lichte, F. E. State gin specialists. Cotton Ginners' Jour. 12(4): 9-10, 12-13. Jan. 1941. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
A radio broadcast from Fort Worth, Texas.
287. Padilla O., Carlos A. El desmotado del algodón. Gaceta Algodonera 17(202): 21-26. Nov. 30, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
The ginning of cotton.
Address at the Second Cotton Congress, Buenos Aires, Argentina.
288. Stedronsky, Victor L., Baggette, Thomas L., and Johnson, Arvid J. Surveying power consumption at gins. Cotton Ginners' Jour. 12(4): 5-6, 14. Jan. 1941. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
- See also Items nos. 471, 485, 489, 491, 496.

Baling

289. Mexico to identify bales. Jour. Com. [N. Y.] 187(14439): 12. Jan. 22, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
"[Mexican] cotton planters have been ordered by the Ministry of Agriculture to place conspicuously on every bale of their product a notice announcing the locality and zone in which the fiber is produced."

290. Wright, John W., and Bennett, Charles A. The compression of cotton, and related problems. 68pp., processed. Washington, U. S. Dept. of agriculture, Agricultural marketing service, 1940.

Issued in cooperation with the Bureau of Agricultural Chemistry and Engineering.

This study of the compress industry in the United States includes information on the distribution of cotton from compresses, dimensions and densities of cotton bales, bale coverings, foreign material in bales and ink stains.

See also Item no. 496.

MARKETING

Demand and Competition

291. Anderson, Hilding. Anderson predicts continued advance for cotton market. Domestic mill activity may be spurred by new British cloth buying. Jour. Com. [N. Y.] 187(14443): 1C, 2C. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
292. Arizabal, Antonio L. Our local textile industry. Philippine Islands. Dept. of Agr. and Com. Philippine Jour. Com. 16(9): 10-11. Sept. 1940. (Published in Manila, P. I.) 286.9 P53
 "Speech delivered at the Second Convention of Philippine Manufacturers."
 "There are so far only 20,000 spindles for spinning yarn and 900 mechanical looms for weaving in the three textile mills located in Manila."
293. British fear leak of cotton to Axis. Say Russian imports are above needs--propose storing surpluses. Jour. Com. [N. Y.] 187(14424): 1, 9. Jan. 4, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
 The scheme, mentioned in Parliament by Winston Churchill, "envisages storing of quantities of food and other necessities, such as cotton, which cannot now be shipped to the Continent because of the blockade, to be rushed to European countries as they are freed from German domination."
294. Combs, William, jr. Industrial trades buy more cottons. Different trading technique required in movement of wide goods. Jour. Com. [N. Y.] 187(14443): 12A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
295. Cotton consumption, freed of taxes, continues to expand. Jour. Com. [N. Y.] 187(14443): 1A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
 Chart shows cotton consumption and cotton goods prices, 1938-1940.

296. Denhardt, Edith Tilton. The effect of war on the relative importance of producing centres. *International Labour Rev.* 42(6): 301-346. Dec. 1940. (Published in Montreal, Canada; distributed in the United States by The Branch Office of the International Labour Office, 734 Jackson Pl., Washington, D. C.)
 "The Second Labour Conference of American States, held at Havana in 1939, adopted a resolution requesting the International Labour Office to undertake a comprehensive study of the social effects of the changing centres of production, with special emphasis on industrial relations in growing centres of production and such problems of readjustment as arise in already established centres of production. The textile industry is the most widely distributed manufacturing industry in the world and one of the most important industries from the standpoint of the number of workers employed and the value of goods produced. The International Labour Office has given particular attention to the social and economic problems of this industry, especially since the Tripartite Conference on the Textile Industry was held under its aegis in 1937... [This] article, after a general analysis of the way in which war affects world trade and the relative position of manufacturing centres, describes the effects of the war of 1914-18 on the textile industry and examines the problems resulting from the present war."
297. Everett, Charles K. Mills move to push cotton consumption above present levels. Industry prepared to support vigorous promotion of cotton. *Jour. Com.* [N. Y.] 187(14443): 15A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
298. The fibre revolution. There is every indication that synthetic fibres are in for further striking developments. *Fibre and Fabric* 93 (2915): 10. Dec. 14, 1940. (Published by Wade Publishing Co., 465 Main St., Cambridge, Mass.) 304.8 F44
 "From September Industrial Bulletin of Arthur D. Little, Inc."
 Competition between rayon and cotton is included in the discussion.
299. Garside, Alston H. World cotton use likely to decline if wars continue. Trade harder hit than in 1914-18, Garside says--Consumption loss, 10 to 12 per cent this season, may grow in next--production down-trend not yet apparent, with new record stocks probable. *Jour. Com.* [N. Y.] 187(14443): 1C, 3C. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
300. Hickman, Francis G. Spirit of European cotton men under war load extraordinary. Hickman just returned from continent, tells of outlook for long war. *Cotton Trade Jour.* 21(1): 1, 8. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Brief discussion of the world cotton situation is included.

301. Japanese observing cottons quota though it cannot be renewed.
Daily News Rec. no. 1, p. 1. Jan. 2, 1941. (Published at
8 East 13th St., New York, N. Y.) 286.8 N48
The voluntary quota agreement made between representatives
of the American cotton textile industry and the Japanese was
declared illegal by the Department of Justice.
302. Just a refugee, King Cotton is become a pawn. Tribulations no
longer to be catalogued separately from those of other sufferers
in war-struck world. Vastly increased domestic consumption is
one bright spot, may prove foundation stone of reconstruction.
Cotton Trade Jour. 21(1): 1, 8. Jan. 4, 1941. (Published at
Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Review of the cotton trade during 1940.
303. Mauersberger, Herbert R. Du Pont announces "fiber D." Rayon
Textile Monthly 22(1): 38-39. Jan. 1941. (Published at 303 Fifth
Ave., New York, N. Y.) 304.8 R21
The new fiber imitates wool.
304. [Murchison, Claudius T.] Greater cotton interest in 1941 seen by
Murchison. Inspiration of different weaves and new colors fore-
cast by institute head. Daily News Rec. no. 305, sec. 1, pp. 1,
12. Dec. 30, 1940. (Published at 8 East 13th St., New York,
N. Y.) 286.8 N48
Extracts from a report entitled "Cotton in 1940."
Also noted in Jour. Com. [N. Y.] 186(14421): 13. Dec. 31,
1940; Cotton Trade Jour. 21(1): 1, 3. Jan. 4, 1941; Cotton
Digest 13(14): 3. Jan. 4, 1941; Mfrs. Rec. 110(1): 32, 44.
Jan. 1941.
305. [Murchison, Claudius T.] Need fear no influx of Japanese cottons,
says Dr. Murchison. Daily News Rec. no. 5, p. 13. Jan. 7, 1941.
(Published at 8 East 13th St., New York, N. Y.) 286.8 N48
"Assurances have been received here that Japan will not take
advantage of the fact that the agreement between the two coun-
tries limiting the export of Japanese cotton goods to the United
States expired Dec. 31 and has not been renewed."
Also in Cotton Trade Jour. 21(2): 6. Jan. 11, 1941.
306. [Murchison, Claudius T.] Solution of cotton surplus seen in in-
creasing usage. Dr. Murchison tells Farm economics association
that efforts should be concentrated on nurturing fiber through
manufacturing and distributing channels--cities constant upsurge
in consumption in recent years. Jour. Com. [N. Y.] 186(14419):
8. Dec. 28, 1940. (Published at 63 Park Row, New York, N. Y.)
286.8 J82
Extracts from address delivered before a meeting of the Ameri-
can Farm Economic Association, New Orleans, December 27, 1940.
Also noted in Daily News Rec. no. 304, pp. 1, 4. Dec. 28,
1940; Cotton Digest 13(14): 4-5. Jan. 4, 1941.

307. Murray, Robert J. Murray sees cotton top-rank commodity in post-war trade; scores defeatist viewpoints. Jour. Com. [N. Y.] 187(14443): 1C, 2C. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
308. 1940 year-end textile situation. Rayon Organon 12(1): 2-5. Jan. 1941. (Published by Textile Economics Bureau, Inc., 10 East 40th St., New York, N. Y.) 304.8 T3128
Tables show consumption and prices of raw cotton, wool, silk, rayon yarn and rayon staple, 1937-1940.
Also noted in Jour. Com. [N. Y.] 187(14427): 11. Jan. 8, 1941.
309. North Carolina textile industry shows marked expansion. Cotton goods, hosiery plants build annexes, buy equipment as backlogs of orders gain. Jour. Com. [N. Y.] 187(14443): 20A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
310. Revised cotton stamp plan being tried in 2 cities. Purchaser will be permitted to spread out buying more than before. Daily News Rec. no. 4, pp. 1, 2. Jan. 6, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
"The plan will be liberalized so that instead of the stamp user having to buy a minimum quota all at once, purchasers can spread out their purchases on the instalment plan over each three-month period."
311. Scheuer & company. Year end textile review. Textile Bul. 59(9): 7-8, 32-33. Jan. 1, 1941. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82
The cotton textile industry is included.
312. Severance, J. L. Cotton is forced to domestic basis by foreign wars. United States mills and government loan share burden as export situation unparalleled since Civil war develops--many moves begun to limit production or boost home use for period of hostilities. Jour. Com. [N. Y.] 187(14443): 1C, 3C. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
313. Single, Erwin. Textile markets alert to numerous problems of adjustment. Producers apply corrective to overbought cloth market, move to fill defense needs. Jour. Com. [N. Y.] 187(14443): 14A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
Includes a chronology of events in the textile industry in 1940.
314. Spann, George F. Glancing back at the textile industry in the first World war. Textile Bul. 59(8): 7-8, 48-49, 52-53. Dec. 15, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82

"Talk delivered at the Symposium on Textile Preparedness for National Defense, under the auspices of the American Association of Textile Technologists."

A review of conditions that prevailed in the textile industry during the war in 1914-1918.

315. Los telares a mano, deben difundirse para un mayor consumo de algodón entre la población pobre. Se crearía así un valioso estímulo para el trabajo manual de la juventud. Gaceta Algodonera 17(201): 6. Oct. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

Use of hand looms should be extended for a greater consumption of cotton among poor people. A very valuable stimulus for hand work among young people will thus be created.

316. The textile industries in south-east Europe. Cotton [Manchester] 46(2238): 6. Nov. 30, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826

"The most recent available figures indicate that cotton-mill consumption in five countries of south-eastern Europe, excluding Turkey, totals 450,000 to 500,000 bales annually, while production of raw cotton in these countries totals less than 150,000 bales. The deficiency may be partly relieved during the war by access to Turkey's annual surplus of nearly 200,000 bales except for quantities that may reach areas under German or Italian control."

317. Textile industry developments. Canad. Textile Jour. 58(1): 15-16. Jan. 3, 1941. (Published at 1434 St. Catherine St. W., Montreal, Canada) 304.8 C16

The Canadian textile industry in 1940 is reviewed.

318. U. S. Dept. of agriculture. Bureau of agricultural economics. Cotton consumption in the United States, 1913-39. U. S. Dept. Agr. Bur. Agr. Econ. Cotton Situation no. 50, p. 1. Dec. 1940. (Published in Washington, D. C.) 1.9 Ec752F

A chart with explanatory notes.

319. [U. S. Dept. of agriculture: Office of foreign agricultural relations] Canadian cotton mill consumption may decline in near future. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 42(3): 86-87. Jan. 21, 1941. (Published in Washington, D. C.) 1.9 St2F

Reasons for the probable decline are given. It is also noted that "after some experimentation several of the largest mills are again placing sizable orders for American cotton. The two principal reasons given were (1) that strip waste is much greater when Brazilian cotton is carded than is the case with American, and (2) fibers of Brazilian are more dense and do not take dyes

in a normal manner. It was also stated that Brazilian fibers have fewer convolutions, and it is believed that strength tests would show that the fabrics made from Brazilian cotton are slightly weaker."

Also noted in Cotton Trade Jour. 21(4): 1, 6. Jan. 25, 1941.

320. U. S. Dept. of agriculture. Office of foreign agricultural relations. Japanese cotton mills using less American cotton. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 42(2): 28-30. Jan. 13, 1941. (Published in Washington, D. C.) 1.9 St2F
 "Recent trends in the Japanese cotton market indicate now that imports of American cotton in 1940-41 may be no greater than 250,000 bales, a 72 percent reduction from last year's total of 896,000 bales."
321. U. S. Dept. of agriculture. Surplus marketing administration. The cotton stamp plan distributes surplus cotton to needy persons through normal channels of trade. 13pp., processed. [Washington, D. C., 1940] 1.944 D3C82
 The operation of the plan is described.
322. [U. S. Dept. of agriculture. Surplus marketing administration.] 236,000 bales go into subsidized textile exports. Cotton Trade Jour. 21(3): 6. Jan. 18, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
323. Uruguay's textile imports. So. Amer. Jour. 127(22): 439-440. May 25, 1940. (Published at 52, Queen Victoria St., London, E. C. 4, England) 280.8 So86
 Total value of exports and imports is given for 1933-1939. Quantity and value of imports of specified textiles are given for 1937 and 1938 by countries from which imported.

See also Items nos. 324, 326, 332, 334, 337, 344, 347, 352, 377, 437, 439, 452, 474, 480, 482, 492.

Supply and Movement

324. Brazil's cotton problem acute as exports decline. United Kingdom's increased dependence on empire growths is factor. Cotton Trade Jour. 21(1): 6, 7. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
325. British alarmed at Russian imports [of cotton]. Cotton Digest 13(15): 9, 13. Jan. 11, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
326. Buy acreage cut with \$25,000,000 in cotton stamps. Million bale reduction may result; greater use of staple seen. Cotton Trade Jour. 21(3): 1, 3. Jan. 18, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

The announcement by the U. S. Department of Agriculture is summarized.

Also in Cotton Digest 13(16): 4. Jan. 18, 1941.

327. Caterson, Herbert. Points out sellers of cotton to Soviets are pro-British men. Some in trade believe shipments would cease if resale to Nazis were proved. Daily News Rec. no. 298, pp. 1, 4. Dec. 20, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
328. Cotton subsidy is extended with 100,000 bales unshipped. Report 6,311,000 bales including cotton products exported through December 26--Russians are chief recent participants in federal program. Jour. Com. [N. Y.] 187(14422): 12. Jan. 2, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
"Cotton at first destined for countries in Europe has been diverted, owing to the fall of governments under pressure of the Axis, and consequently many sales to Russia under recent date are reported to have enjoyed the benefit of subsidization from the Federal Treasury."
329. D'Agostino, C. O nosso algodão. Ouro Branco 4(6): 11-12. Oct. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Our cotton.
330. Gordon, J. B. South cool to new plan to cut cotton acreage. Daily News Rec. no. 20, p. 13. Jan. 24, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
The plan to use stamps to recompense farmers for acreage reduction is discussed.
331. Greece's cotton industry. Textile Colorist 63(745): 39. Jan. 1941. (Published at Woolworth Bldg., 233 Broadway, New York, N. Y.) 306.8 T31
332. Japan, Paraguay reach cotton deal. Exchange of staple for Nipponese general merchandise is part of semi-barter arrangement. Jour. Com. [N. Y.] 187(14427): 3. Jan. 8, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
The cotton, 1,210,000 pounds, will be shipped to Japan in Japanese vessels and "12 1/2 per cent of its value will be paid for with Japanese general merchandise."
Also noted in Daily News Rec. no. 14, p. 6. Jan. 17, 1941.
333. Leite de Almeida, José. A exportação paulista em face da situação internacional do algodão. Ouro Branco 4(6): 9-10. Oct. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Paulista exports in the face of the international cotton situation.

334. O maior mercado importador do mundo. Ouro Branco 4(6): 20-21. Oct. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Reprinted from "O Estado de São Paulo."
The major importing market of the world [Japan]
335. [Mayo, Nathan] Florida sea island cotton crop. Amer. Wool and Cotton Rptr. 55(1): 26. Jan. 2, 1941. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
Production and prices of the present crop are noted.
336. Murray, Robert J. No ray of light in cotton export picture, in view. Domestic stocks to hit new high at season's end, says Murray. Cotton Trade Jour. 21(1): 1, 2. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Review of 1940.
Also noted in Jour. Com. [N. Y.] 186(14421, sec. 2): 12A. Dec. 31, 1940; Daily News Rec. no. 306, pp. 1,15. Dec. 31, 1940.
337. The new cotton plan. Jour. Com. [N. Y.] 187(14432): 2. Jan. 14, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
Editorial commenting on the proposal to pay farmers in stamps redeemable in cotton cloth, for voluntary reduction of acreage.
338. New farm program good temporary plan. Cotton Digest 13(16): 8. Jan. 18, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial on the announcement that "the Surplus Marketing Administration would make available to cotton producers \$25,000,000 worth of cotton stamps, in exchange for reductions in production below what was anticipated on the 1941 acreage allotment."
339. [New York cotton exchange services] U. S. trend toward longer staples, N. Y. exchange shows. Cotton Digest 13(14): 9. Jan. 4, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
A table showing supply and distribution of American upland cotton in the United States by staple lengths for the seasons 1936-37 to 1939-40, is given.
340. Paraguay orders compulsory minimum cotton plantings. Daily News Rec. no. 14, p. 6. Jan. 17, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
The goal is stated to be about 250,000 acres.
341. A produção algodoeira de Brasil. Ouro Branco 6(5): 7. Sept. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Cotton production in Brazil.
The increase in production since 1932 and the present situation are discussed.

342. Quality cotton may recapture foreign market. Cotton Trade Jour. 21(4): 1, 6. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
A letter from W. S. Turner, vice president and secretary of the Arkansas Cotton Trade Association, is quoted.
343. Sao Paulo export at standstill as ships are lacking. Planted acreage exceeds that of previous season, look for big crop. Cotton Trade Jour. 21(4): 6. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
344. Stewart, John N. Huge, growing carryover called national problem. Fixed price loan policy threatens disaster, says exchange head. Cotton Trade Jour. 21(1): 1, 7. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Outlook for the 1940-41 season is discussed.
345. Tendremos una producción de 80.000 toneladas de fibra de algodón en la cosecha 1939/1940. Gaceta Algodonera 17(202): 20. Nov. 30, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
We reached a production of 80,000 tons of cotton fiber in the 1939-40 harvest.
346. Todd, John A. Cotton statistics. Textile Mfr. 66(791): 414, 418. Nov. 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
Tables give production of cotton in Egypt, India, and the United States.
347. [U. S. Dept. of agriculture. Office of foreign agricultural relations] Belgian stocks of raw cotton nearly exhausted. U. S. Dept. Agr. Off. Foreign Agr. Relat: Foreign Crops and Markets 42(4): 112. Jan. 27, 1941. (Published in Washington, D. C.) 1.9 St2F
The present situation in the Belgian cotton trade is briefly reported.
348. [U. S. Dept. of agriculture. Office of foreign agricultural relations] Egyptian cotton acreage cut is advised by Cairo. Cotton Trade Jour. 21(4): 1, 6. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
349. [U. S. Dept. of agriculture. Office of foreign agricultural relations] Egyptian cotton growers advised to reduce next year's acreage. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 42(1): 9-10. Jan. 6, 1941. (Published in Washington, D. C.) 1.9 St2F
"Under the terms of an agreement announced in London on August 7, 1940, the British Government offered to purchase at

fixed prices all Egyptian cotton from the 1940-41 crop that is offered before April 30, 1941. The Egyptian Government feels, however, that there is no assurance that world conditions will permit such a guarantee for next year's crop. No restrictive legislation such as that enacted in 1915 is contemplated at present and any acreage reduction in 1941 will be voluntary on the part of Egyptian cotton producers."

Also in Cotton Digest 13(15): 4. Jan. 11, 1941.

350. Varied response meets proposed cotton acreage reduction. Stamp plan for smaller crop at least partially effective. Large Texas growers may accept it with smaller central belt farmers--south-east calls plan a "dud." Jour. Com. [N. Y.] 187(14439): 12. Jan. 22, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

351. Wallace, J. Roger. Warns acreage cut to domestic basis may prove lasting. Jour. Com. [N. Y.] 187(14443): 17A. (Published at 63 Park Row, New York, N. Y.) 286.8 N82

352. Wassall, Harry W. Cotton stamp pay for acreage cut dud, says Wassall. Cotton Trade Jour. 21(3): 1, 6. Jan. 18, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The proposal to compensate cotton farmers for voluntary acreage reduction by means of stamps to be used for the purchase of cotton goods, is commented upon.

Also in Cotton Digest 13(16): 4. Jan. 18, 1941.

See also Items nos. 277, 281, 293, 302, 316, 320, 410, 437, 446, 449, 450, 451, 457, 458, 459, 466, 472, 474, 475, 477, 480, 483, 485, 488, 492, 499, 501.

Prices

353. Keep a close watch on your raw materials. Textile Weekly 27(671): 35, 56. Jan. 10, 1941. (Published at 33, Blackfriars St., Manchester 3, England) 304.8 T3127
Editorial on the Liverpool cotton price situation.

354. List manufacturing margins on cottons during war period. Margins on print cloths thin during summer months of 1940. Jour. Com. [N. Y.] 187(14443): 5A. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

Tables show gross manufacturing margins on four yarns, three print cloths, three sheetings, two ducks, and two drills since the outbreak of the war in Europe in September, 1939, as compiled by the Cotton Exchange Service.

355. Los productores de algodón deben organizarse en una cámara que defienda el valor de su producto en la zona algodonera. Gaceta Algodonera 17(201): 7. Oct. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

Cotton producers should form an association to defend the price of their product in the cotton zone.

356. Relationship of movement of cotton into loan & cotton price levels. Rayon Organon 12(1): 9. Jan. 1941. (Published by Textile Economics Bureau, Inc., 10 East 40th St., New York, N. Y.) 304.8 T3128
 "These data clearly show that the rate of movement into the loan stock has tended downward as the price of cotton has risen relative to the loan rate. But this decline in the amount of cotton going into loan does not necessarily mean that growers have sold their cotton to mills. Rather, market reports indicate that growers are holding a good deal of cotton in anticipation of better prices."

See also Items nos. 277, 295, 308, 335, 454, 472, 474, 477, 480, 499.

Marketing and Handling Methods and Practices

357. An appeal to reason. Cotton Trade Jour. 21(4): 2. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Editorial stating that "the very existence of the futures exchanges, both New Orleans and New York, is seriously threatened by the lack of business," and urging support by mills.
358. [Hickman, Francis G.] Swiss and Spanish cotton buying under war handicaps is related. Cotton Trade Jour. 21(2): 1, 6. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 The author reports methods which he observed on his recent trip.
359. The Liverpool cotton market--new futures contracts. Cotton [Manchester] 46(2238): 3. Nov. 30, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826
 An explanation of the emergency contract recently adopted by the Liverpool Cotton Association is given.
360. U. S. Dept. of agriculture. Commodity exchange administration. Report of the chief...1940. 48pp. [Washington, D. C., 1940] 1 C73Re
 Cotton, pp. 15-27.

See also Items nos. 370, 453, 455, 471, 494.

Marketing Services and Facilities

361. Ban service fee for withdrawal of loan cotton. Rathell, replying to query as to CCC stand, says fee flouts policy. Cotton Trade Jour. 21(4): 7. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

A reply from the Commodity Credit Corporation to a query submitted by the Arkansas Cotton Trade Association relative to the practice of certain banks of making a service charge for withdrawals from loan is quoted.

362. Frederick, John H. Public warehousing; its organization, economic services and legal aspects. 301pp. New York, The Ronald press [1940] 280.3 F87Pu
Bibliographical note, pp. 255-257.
Cotton warehousing, pp. 207-216.
363. Government plans entry into merchandising cotton. Cotton Digest 13(14): 8. Jan. 4, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Reports in the cotton trade that the Commodity Credit Corporation plans to open an office in New Orleans to market government-owned cotton are commented upon in this editorial.
364. Jamieson, Edward. Warehousing fight to go on and on, is view. Cotton Trade Jour. 21(4): 1, 3. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The controversy over reconcentration of government-owned cotton is discussed.
365. [Jones, J. Roy] Sale of equity in loan cotton for \$2 bale not sale at all--it's "gift" declares Jones. S. C. Commr. of Agr., Com. and Indus. S. C. Market Bul., Jan. 23, 1941, p. 1. (Published at Anderson, S. C.) 280.39 So8
Reprinted from Anderson Independent, Jan. 15, 1941.
366. Kothe's attic holds four bales for fifteen years, and 15 cents. Cotton Trade Jour. 21(2): 3. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The structure of this old home in Fredericksburg, Tex., strong enough for cotton to be stored in the attic, is briefly described.
367. Lanham, W. B. Members of 1,573 cotton groups eligible for free classing service. U. S. Dept. Agr. Agr. Mktg. Serv. Mktg. Activities 3(6): 15-16. Dec. 1940. (Published in Washington, D. C.)
The use in 1940 of the free cotton classing service by groups of farmers organized to improve their cotton, is reviewed.
368. Legislation prevents competitive bids. Cotton Digest 13(17): 12. Jan. 25, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
A further delay of 60 days in action on competitive bids for the storage of government-owned cotton has been agreed to.

369. U. S. Dept. of agriculture. Commodity credit corporation. Report of the President...1940. 22pp. [Washington, D. C., 1940] Review of CCC loan programs. Fiber loan programs. Cotton, pp. 6-8.

See also Items nos. 344, 356, 434, 440, 462, 463, 464, 465, 469, 494.

Marketing Costs

See Item no. 462.

Cooperation in Marketing

370. Mann, M. G. Don't be deceived. Carolina Co-op. 19(1): 1. Jan. 1941. (Published by the Carolina Co-operator Publishing Co., Inc., 121 East Davie St., Raleigh, N. C.) 72.8 N81
- "You are being told that when you sell your cotton, handled through the [North Carolina Cotton Growers Cooperative] Association, that it will have to be sold on a net weight basis; or, in other words, on the weights used in making the Government Loan. This is absolutely false. When you order your cotton sold through the Re-Purchase Pool of the Cotton Association you will receive your settlement on the basis of the weights given at the time it was received in the warehouse."

UTILIZATION

Fiber, Yarn and Fabric Quality

371. Anderson, Donald B., and Kerr, Thomas. The structure of cotton fiber. Chronica Botanica 6(5): 104. Dec. 2, 1940. (Published at P. O. Box 151, Waltham, Mass.) 450 C46
- A review of the authors' work on the subject.
372. Battista, Orlando A. The formation of polymerized compounds of high molecular weight. Rayon Textile Monthly 21(12): 736-737. Dec. 1940. (Published at 303 Fifth Ave., New York, N. Y.) 304.8 R21
- References, p. 737.
- Formation of cellulose molecules is discussed.
373. Brown, F. G. Degree of mercerization and its meaning. Textile Colorist 62(741): 588-590, 636. Sept. 1940. (Published at 233 Broadway, New York, N. Y.) 306.8 T31
- "This article covers a somewhat new way of looking at the mechanism, effects and extent or measure of mercerizing. It is very largely based on the German of W. Schramek and H. Thomas. Many of the observations discussed are already familiar but the interpretations represent a chemical viewpoint which has not always been accepted, and at present is probably not completely accepted."

374. French, Sidney J. The inside story of rayon. When wood pulp is converted to rayon, just what occurs and why? Sci. Amer. 164(1): 16-18. Jan. 1941. (Published at 24 West 40th St., New York, N. Y.) 470 Sci25
Structure of cellulose is discussed.
375. Industrial statistics conference. Proceedings...held at Massachusetts institute of technology, Cambridge, September 8-9, 1938. 315pp., processed. New York [etc.] Pitman publishing corporation, [1939]. 280.9 In29 1938
Partial contents: The statistical principles of experimentation, with particular reference to experimentation in textile factories, by L. H. C. Tippet, pp. 174-209; Statistical aspects of the control of quality in textile manufacture, by L. H. C. Tippet, pp. 210-270; Discussion of L. H. C. Tippet paper by H. R. Bellinson, pp. 271-282.
The application of statistical methods to yarn tests is discussed.
376. Katz, J. R., and Seiberlich, J. Swelling of cotton fibers in sodium hydroxide solutions and in the presence of lyotropic substances. Rayon Textile Monthly 21(12): 746-748. Dec. 1940. (Published at 303 Fifth Ave., New York, N. Y.) 304.8 R21
Bibliography, p. 748.
377. The "linenizing" of cotton. The possibility of cotton substitutes in a time of restricted linen supplies. Textile Weekly 26(665): 721-722, 724. Nov. 29, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Methods of "linenizing" cotton are reviewed.
378. Mixtures of staple fibre and Indian cottons. Current Sci. 9(9): 420. Sept. 1940. (Published by Indian Institute of Science, Hebhal P. O., Bangalore, India) 475 Sci23
Brief report of studies of the spinning quality of mixtures of Indian cotton and staple fiber made at the Technological Laboratory of the Indian Central Cotton Committee.
379. Nickerson, R. F., Fontaine, T. D., and Leape, C. B. The variation of raw cotton constituents with physical properties. Textile Res. 11(3): 154-157. Jan. 1941. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293
References, p. 157.
"On the basis of a limited number of samples there appear to be correlations between the relative surface areas of cottons and wax and pectate contents, between fineness and nitrogen content and, possibly also, between fineness and alkalinity of ash. A large number of analyses on different cottons will be required to show the exact relationships."

380. Process for increasing yarn strength. Amer. Wool and Cotton Rptr. 54(51): 35. Dec. 19, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
 "A new method for treating yarns and threads for the purpose of materially increasing their tensile strength and controlling their residual stretch is described in patent No. 2,220,958 recently issued to Dr. H. Y. Jennings, vice-president and research chemist of the Copeman Laboratories Company of Flint, Mich."
381. Quilitzsch, F. J. Spreading Swiss rib fabrics. Useful tables aid in obtaining correct cloth width for minimum shrinkage. Textile World 91(1): 72-73. Jan. 1941. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.) 304.8 T315
382. Staudinger, H., and Sohn, A. W. "Über makromolekulare verbindungen. 242.Mitteilung. Über native und umgefällte cellulösen und deren nitrate. Journal für Praktische Chemie 155(8-9): 177-215. May 9, 1940. (Published by Johann Ambrosius Barth, Leipzig, Germany) 384.J82
 On macromolecular compounds. 242nd report. On native and regenerated cellulose and their nitrates.
 "Being to a considerable extent a repetition of previous publications...the article deals with the difference in degree of polymerization between the original cellulosic materials and their nitrates (chain length difference). Numerous additional experimental results, including those obtained with cellulose acetates, are discussed in the light of previous attempts to explain chain length differences on the assumption of the existence or the formation of ester and acetal linkings. The influence of such linkings upon the strength properties of natural and artificial cellulose fibers and their resistance to chemical treatment is discussed. - E. S." - Lawrence Col., Inst. Paper Chem. Bul. 11(1): 11. Sept. 1940.
383. Terms relating to hand of fabrics. Textile Res. 11(3): 158. Jan. 1941. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293
 "At a joint meeting of representatives of the American Association of Textile Chemists and Colorists Research Committee's Subcommittee on the Technical Evaluation of Textile Finishing Treatments and the corresponding committee of the Textile Committee D-13 of the American Society for Testing Materials held at the Chemists' Club in New York City on September 18th, 1940...terms were suggested for designation of the physical properties of fabrics relating to 'hand.'" The terms are given.
 Also in Textile World 91(1): 81. Jan. 1941.
384. [United States testing co.] Factors in mildew proofing of textiles are discussed. Daily News Rec. no. 17, p. 13. Jan. 21, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

385. Warp wind vs. filling wind. Cotton [Atlanta] 105(1): 59-61. Jan. 1941. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823
 Difference in yarn strength resulting from each type of winding is discussed.

See also Items nos. 223, 238, 319, 484, 497, 499.

Technology of Manufacture

386. Card flat stripping. Latest improvements on the Philipson patent brush. Textile Weekly 26(665): 710, 713. Nov. 29, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
387. Fogel, Lamar. Fires in opening and picking are caused by carelessness, negligence and improper lubrication. Textile World 91(1): 78-79. Jan. 1941. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.) 304.8 T315
388. On full long draft efficiency. Fibre and Fabric 93(2917): 6. Dec. 28, 1940. (Published by Wade Publishing Co., 465 Main St., Cambridge, Mass.) 304.8 F44
 From "Traveler" of Victor Ring Traveler Co.
389. "Spintech." Practical management of the spinning mule. Textile Weekly 27(671): 43-44. Jan. 10, 1941. (Published at 33 Blackfriars St., Manchester 3, England) 304.8 T3127
390. Survey of band driven and tape driven long draft spinning, New England cotton textile industry. Amer. Wool and Cotton Rptr. 54(31): 39. Aug. 1, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
 Table shows number of mills using each type, by states.

Technology of Consumption

391. American society for testing materials. 1940 supplement to A. S. T. M. standards including tentative standards. Part II. Nonmetallic materials--constructional. 349pp. Philadelphia [1940]
 290.9 Am34S 1939, pt. 2, suppl.
 Tentative specifications for woven cotton fabrics saturated with bituminous substances for use in waterproofing, pp. 305-306.
392. Claytor, Bernice. A long life for your mattress. Tex. Agr. Col. Ext. Serv. Ext. [Cir.] C-158, [4]pp. College Station, 1940.
 275.29 T312C
 Suggestions for the care of mattresses are included.
393. Cotton acoustic panels. Cotton Digest 13(15): 12. Jan. 11, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 A photograph shows all-cotton acoustic paneling installed.

394. Cotton and the automobile. Fibre and Fabric 93(2917): 7. Dec. 28, 1940. (Published by Wade Publishing Co., 465 Main St., Cambridge, Mass.) 304.8 F44
 "A compilation of statistics released by The Cotton-Textile Institute in connection with the New York Automobile Show discloses that the automobile industry will use 840,000 bales, or more than 400,000,000 pounds, of cotton this year, with an anticipated use of 945,000 bales in 1941."
395. Cotton for our aviation needs displaces flax. Fibre and Fabric 93(2917): 12. Dec. 28, 1940. (Published by Wade Publishing Co., 465 Main St., Cambridge, Mass.) 304.8 F44
 "Up to now parachute harness, safety belts, bomb slings and similar aviation supplies have been made of linen webbing produced from Belgian and Russian flax...but from now on American cotton will be used."
396. Cotton hosiery research conducted. Cotton Digest 13(17): 12. Jan. 25, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 Research by the U. S. Dept. of Agriculture and other agencies is noted.
397. Cotton overcoats for sheep, order for 500 is placed. May become vogue for 50,000,000 use of 100,000 bales of cotton. Cotton Trade Jour. 21(1): 1, 6. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Announcement by R. J. Cheatham, chief of the Cotton Processing Division, Southern Regional Research Laboratory, of an award of a government contract for 500 of the experimental coats is noted.
398. Fox, John A. Manufacture pulp from cellulose of cotton plant. Toledo plant contracts for 11,000 tons, using Ulrich process. Cotton Trade Jour. 21(4): 3. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 The stalks are used to manufacture paper pulp and wall board, with a by-product of cellulose acetate used largely in the manufacture of paint.
399. Gordon, Pauline, and Hunter, Willie N. Making a cotton mattress. N. C. Agr. Col. Ext. Misc. Pam. 42, 8pp. Raleigh, 1940. 275.29 N811M
 Contains instructions for making mattresses.
400. Gov't laboratory to aid cotton uses. Government backs research work recently started at New Orleans. Jour. Com. [N. Y.] 187(14443): 22A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

401. Hays, Margaret B. Consumer specifications for textiles. Jour. Home Econ. 31(7): 444-446. Sept. 1939. (Published by the American Home Economics Association, Mills Bldg., Washington, D. C.) 321.8 J82

"A chronological survey is given of the efforts sponsored mainly by the American Standards Association and the American Society for Testing Materials to establish standards for certain cotton textiles. 'Tentative standards' have been proposed for sheetings, poplins, and terry towelling. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(21): 535. Nov. 15, 1940.

402. Hays, Margaret B., and Petersen, Emma C. What sort of hose in 1941? Jour. Home Econ. 32(10): 683-685. Dec. 1940. (Published by the American Home Economics Association, Mills Bldg., Washington, D. C.) 321.8 J82

The possibility of the increased use of cotton hose is discussed.

403. Holcomb, Gene. The cotton cement shingle. Mfrs. Rec. 109(9): 32. Sept. 1940. (Published at Commerce and Water Sts., Baltimore, Md.) 297.8 M31

Method of manufacturing the shingles, invented by J. Harris Hardy, is described.

Also noted in Franklin Inst. Jour. 230(6): 802. Dec. 1940.

404. Holcomb, Gene. King cotton enters the building trade. Nation's Business 28(12): 38, 40, 43, 71. Dec. 1940. (Published by the Chamber of Commerce of the United States, Washington, D. C.) 286.8 N212

Uses for cotton including the building industry and highway construction, are noted.

405. Hoyer, John. Fabrics for national defense: Information on three cotton fabrics used in equipping our armed forces. Textile World 91(1): 62. Jan. 1941. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N. Y.) 304.8 T315

Specifications are given for 8.2-oz. uniform twill, cotton tent twill, and cotton lawn for rubberized raincoats.

406. Johnston, Oscar. New uses for fiber are being advanced. Johnston reports Cotton council laboratory is aiding consumption. Jour. Com. [N. Y.] 187(14443): 10, 60. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

407. Koenig, B. R. Fibre and fabric uses in the motor car. Silk Jour. and Rayon World 17(196): 18. Sept. 1940. (Published at Old Colony House, South King St., Manchester, 2, England) 304.8 Si3

"Abstract of a Paper Presented at the Thirty-ninth Annual Meeting of the Alumni Association of the Philadelphia Textile School."

Use of cotton in such fabrics is included.

408. M., Z. R. Make a mattress with free cotton. A program which converts our surplus cotton into comfortable mattresses for low-income families. Wallaces' Farmer and Iowa Homestead 65(26): 892. Dec. 28, 1940. (Published at 1912 Grand Ave., Des Moines, Iowa) 6 W15
409. Marks, Stephen S. New diapers of spun rayon and cotton being introduced. Softness, absorbency and moisture retention said to be important features of new outlet for rayon staple. Daily News Rec. no. 22, p. 6. Jan. 27, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
410. Navy urged to stop using Pima cotton for flying suit material. Daily News Rec. no. 1, pp. 1, 20. Jan. 2, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
Because of the scarcity of supplies of Pima cotton, a change in Navy Department specifications permitting the use of other types of cotton in the manufacture of flying suits for aviators is asked in a wire from John Howes Burton to W. Ray Bell, textile advisor to the National Defense Commission.
411. A new use for cotton. Sci. News Letter 39(1): 5. Jan. 4, 1941. (Published by Science Service, 2101 Constitution Ave., Washington, D. C.) 470 Sci24
"To make cotton-padded waterproofed hoods for beehives in winter." - Entire item.
412. Rubber and cotton tires ordered for "half track" cars. Goodrich to supply 200,000 special tires, 16 to each of vehicles. Cotton Trade Jour. 21(1): 1. Jan. 4, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The tires are being manufactured by the B. F. Goodrich Company, Akron, Ohio, for use on a new type military vehicle.
413. Sheathing panel of plywood with cotton featured. Inside wall covering also to be built up of cotton and veneer. Cotton Trade Jour. 21(2): 3. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
414. Tractor builder uses \$1,500,000 worth of cotton in 1939. Cotton and Cotton Oil Press 42(1): 9. Jan. 4, 1941. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
Use of cotton by the Caterpillar Tractor Co., Peoria, Ill., in the manufacture of tractors and other machinery is noted.
415. Vilbrandt, Frank C. New uses of cotton pulp. Chronica Botanica 6(5): 97-100. Dec. 2, 1940. (Published at P. O. Box 151, Waltham, Mass.) 450 C46
Bibliography, pp. 99-100.
Use of the whole cotton plant as a source of cellulose is discussed.

COTTONSEED AND COTTONSEED PRODUCTS

416. Berzaghi, M. N. Os caroços de algodão e as vitaminas. Ouro Branco 6(5): 10. Sept. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Cottonseed hulls and vitamins.
417. Butler, Eugene. A second step: cooperative oil mills. Prog. Farmer (Tex. ed.) 56(1): 3. Jan. 1941. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
"The gin is the first step from the farm toward the consumer for all cotton products. Logically it should be the cotton farmer's first cooperative effort. At the gin the lint and the seed come to a parting of ways. What is the next step? For lint, cooperative cotton marketing organizations. For seed, cooperative oil mills."
418. Estatuto de la Cámara gremial de aceites vegetales y subproductos de la bolsa de comercio de Buenos Aires. Gaceta Algodonera 17(201): 20-26. Oct. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
By-laws of the Cámara Gremial de Aceites Vegetales y Subproductos of the Bolsa de Comercio de Buenos Aires.
419. Fraps, G. S., and Fudge, J. F. Iodine in drinking waters, vegetables, cottonseed meal, and roughages. Tex. Agr. Expt. Sta. Bul. 595, 25pp. College Station, 1940. 100 T31B
Literature cited, pp. 24-25.
"Iodine in 235 samples of cottonseed meal ranged from 23 to 1420 parts per billion. The average iodine in samples from different geographic divisions ranged from 92 parts per billion in the West Cross Timbers to 251 parts per billion in the Rio Grande Plain. There was good agreement between the average iodine in cottonseed meal and that in soils of the same region."
420. Fuller, F. D., and Sullivan, James. Commercial feeding stuffs, September 1, 1939, to August 31, 1940. Tex. Agr. Expt. Sta. Bul. 594, 221pp. College Station, 1940.
Partial contents: Hardness of cottonseed cake, pp. 14-15; Retail prices of feeds [cake and meal], pp. 17-20; Definitions and standards for commercial unmixed feeds, cottonseed products, pp. 28-31; Protein content of cottonseed products sold in Texas, pp. 61-62.
421. Gabardini, Mario A. La industria del aceite de algodón en el Chaco. Su contribución a la economía del territorio. Argentine Republic. Junta Nacional del Algodón. Boletín Mensual no. 68, pp. 599-600. Dec. 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3
The cottonseed oil industry in the Chaco. Its contribution to the economy of the territory.

422. Gieger, Marvin. The extraction of protein from cotton seed as an added unit to the cottonseed oil industry: a preliminary report. *Oil Mill Gazetteer* 45(6): 7, 9, 11. Dec. 1940. (Published in Wharton, Tex.) 307.8 Oi53
References, p. 11.
Paper given before Tri-States Cottonseed Oil Mill Superintendents' Association, December 7, 1940. Contribution from the Department of Chemistry, Mississippi Agricultural Experiment Station. Paper no. 37, new series, November 22, 1940.
423. Halverson, J. O., and Smith, F. H. Estimation of gossypol in crude cottonseed oil. *Indus. and Engin. Chem. (Analyt. ed.)* 13(1): 46-48. Jan. 1941. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 J825A
Literature cited, p. 48.
424. Jacques, Charles. Généralités sur les huiles de coprah, d'arachides et de coton. *Nouvelle-Calédonie. Chambre d'Agriculture. Revue Agricole* Nov. 1940, pp. 4169-4173. (Published in Nouméa, New Caledonia) 25 N43
Generalities on the oils of copra, peanuts, and cotton.
425. King, R. R. Quality changes in the industrial storage of crude and refined cottonseed oil. *Oil and Soap* 18(1): 16-21. Jan. 1941. (Published by Gillette Publishing Co., 330 South Wells St., Chicago, Ill.) 307.8 J82
"If cottonseed oil is to be stored industrially, it is preferable to do so in the refined state rather than as crude, considering almost all quality and economic factors involved. The advantages of storing cottonseed oil as crude, from a stability point of view as shown by the results of the small sample storage tests, are contradicted by the results of the large industrial storage tests. The writer emphasizes the results of the latter tests under large scale operating conditions, minimizing the results of the small sample storage tests, to the conclusion that storing cottonseed oil as crude lessens the stability of the subsequently refined oil as compared with stored refined oil made from comparable fresh crude. Good quality crude cottonseed oil can be stored industrially under the conditions herein described without any prohibitive deterioration in quality characteristics or marked increase in subsequent processing costs." - General conclusions.
426. Musser, D. M., and Engel, H. C. Active carbon from cottonseed hull bran. *Indus. and Engin. Chem. (Indus. ed.)* 32(12): 1636-1638. Dec. 1940. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 J825
Literature cited, p. 1638.
"Laboratory experiments have demonstrated that carbons with high adsorptive capacities can be prepared from carbonized cottonseed hull bran by activation with superheated steam. The adsorption of iodine and methylene blue increases as the weight

loss during activation increases. The phenol adsorption power is improved by treatment of the carbons with dilute mineral acids. The acid-extracted carbons conform to the specifications of purity and activity required for water purification and for medicinal use."

427. National cottonseed products association, inc. Cottonseed and its products, 1941 ed. 35pp. Memphis, 1941. 281.372 N21C
428. National cottonseed products association, inc. Rules governing transactions between members...adopted at the forty-fourth annual session of the association, held at New Orleans, Louisiana, May 13, 14, 1940, with the charter and by-laws, list of standing committees, names of members and other information. 205pp. [Memphis, Tenn., 1940] 72.9 N213
429. New York produce exchange. Rules regulating transactions in cotton seed products among members of the New York produce exchange. Cotton seed oil futures contracts. As amended up to and including Dec. 9, 1940. 4, 54pp. [New York, 1940] 287 N482Rc
430. Podol'skaia, M., and Tobler, L. [Influence of gossypol on the color of refined cottonseed oil] Masloboino Zhirovaia Promyshlennost' 16(4): 5-7. July-Aug. 1940. (Published in Moskva, U. S. S. R.) 307.8 M37
In Russian.
431. Texas A. & M. college short course for oil mill operators. Oil Mill Gazetteer 45(6): 13, 15-23. Dec. 1940. (Published in Wharton, Tex.) 307.8 O153
Report of the twelfth annual short course for cottonseed oil mill operators at the Agricultural and Mechanical College of Texas, College Station, Texas, June 17-21, 1940. Results of linter tests and analyses of cottonseed are given.
432. [U. S. Dept. of agriculture. Agricultural marketing service] Ginners' buying of cottonseed on grade discussed. Not practicable on wagon lots, view expressed in government radio talk. Cotton Trade Jour. 21(2): 2. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
433. U. S. Tariff commission. Fats, oils, waxes, and oil-bearing materials and reciprocal trade agreements. 16pp., processed. Washington, 1940. 173 T17Fa
"Statistics are given for representative years since 1929 of the United States production, exports, and imports of all products" including cottonseed oil.

See also Items nos. 245, 253, 255, 442, 443, 444, 467, 474, 489, 496.

LEGISLATION, REGULATION, AND ADJUDICATIONLegislation

434. Action is blocked on cotton measure. Ellender objects to committee reporting bill on reconcentrating U. S. stocks at coast ports. Jour. Com. [N. Y.] 187(14441): 1, 3. Jan. 24, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
435. Fisher, Russell T. Fisher urges mills to fight imposition of certificate plan. New England leader asserts process tax would wipe out benefits of promotion program. Jour. Com. [N. Y.] 187(14443): 5A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
436. Gordon, J. B. Sees good chance of passing cotton certificate plan. Daily News Rec. no. 306, pp. 1, 15. Dec. 31, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
The plan is discussed.
437. Henry, Charles G. Henry protests against agriculture taking reduction cut during U. S. defense crisis. Mid-So. Cotton News (n.s.) 1(4): 1. Jan. 1941. (Published by Mid-South Cotton Growers Association, 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295
Address at the Agricultural Luncheon Club in Memphis, Tenn., December 18, 1940.
The present cotton marketing situation and plans for future legislation are noted.
438. Jamieson, Edward. Certificate plan postponed, FDR humoring solons. Would like to see passage of measure, but not at cost of bickering. Cotton Trade Jour. 21(2): 1, 7. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
439. Lease-lend bill to aid cotton? Cotton Digest 13(17): 8. Jan. 25, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial stating "if and when it is possible for the American government to lend raw cotton to the United Kingdom for military purposes, it seems within the range of possibility that England will stand ready to take relatively large amounts."
440. McKellar moves to balk CCC on reconcentration. Introduces bill calculated to prevent acceptance of competitive bids. Cotton Trade Jour. 21(2): 1. Jan. 11, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Brief statement of the controversy over the proposal of the Commodity Credit Corporation to reconcentrate loan cotton at the ports.

441. McLaurine, William M. McLaurine urges trade to combat certificate plan. Jour. Com. [N. Y.] 187(14443): 19A, 22A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
442. National cotton council of America. By what right? 16pp. Memphis, Tenn. [1940]
 Repeal of state trade barriers against margarine is advocated.
443. Ousley, Clarence. "Constant dripping." Cotton and Cotton Oil Press 41(26): 10. Dec. 21, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial comment on the publication, By What Right? issued by the National Cotton Council of America.
444. Report progress against trade walls. Cotton Digest 13(16): 9. Jan. 18, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 "Waging aggressive offensive and defensive campaigns against trade barriers penalizing cottonseed products, the trade barriers and penalties section of the National Cotton Council won far-reaching victories during 1940."
445. Secretary Wickard's speech. Cotton Trade Jour. 21(3): 2. Jan. 18, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Editorial stating that "as regards the cotton business, Government planning has been an unmitigated failure and should be left to those totalitarian Governments we are so much opposed to."
446. A smaller cotton acreage. Jour. Com. [N. Y.] 186(14420): 4. Dec. 30, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
 An editorial stating that "it has been suggested that farmers be invited to withdraw from cultivation voluntarily about 6,000,000 acres of additional land, so as to bring down probable production next year to the indicated consumption for the season of 9,000,000 bales. This could be done by enacting special legislation under which farmers would be paid, say, \$20 an acre of land withdrawn which they may now devote to the production of tax-free cotton."
 Reprinted in Cotton Digest 13(14): 14. Jan. 4, 1941.
447. [Stine, O. C.] Urges new program for cotton farmer. Cotton Digest 13(14): 5. Jan. 4, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 Extracts from address "The Cotton Situation," delivered before the annual meeting of the American Farm Economic Association, New Orleans, December 27, 1940.
448. Textile institute seen taking strong stand against process tax. Daily News Rec. no. 22, pp. 1, 9. Jan. 27, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
 A statement by the Cotton-Textile Institute opposing the processing tax is quoted.

449. [U. S. Dept. of agriculture. Office of foreign agricultural relations] Spanish farmers required to grow more cotton. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 42(4): 112. Jan. 27, 1941. (Published in Washington, D. C.) 1.9 St2F

"A Spanish Government decree issued on November 5, 1940, requires that farmers plant to cotton in 1941, 10 percent of all land suitable for that crop."

450. Wickard, Claude R. Agricultural preparedness. 12pp., processed. Washington, U. S. Dept. of agriculture, 1941. 1.91 A2W63
Address at the Farm and Home Week convocation, Purdue University, Lafayette, Indiana, January 15, 1941.
A discussion of cotton problems and the decline in exports of American farm products is included.
Also in Cotton Trade Jour. 21(3): 1, 8. Jan. 18, 1941.

Regulation

451. British deny giving navicerts for cotton shipped to Soviets. Daily News Rec. no. 22, pp. 1, 10. Jan. 27, 1941. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
452. Ceylon. Commission on textile quotas and preference duties. Report... September, 1940. 47pp. Colombo, Government record office, 1940. (Sessional paper XIX--1940) Libr. Cong.
The effect on Ceylon of the textile import quota system, adopted in 1934, is discussed.
453. Cotton futures contracts. Manchester Chamber of Com. Monthly Rec. 51(12): 349. Dec. 31, 1940. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31
The Control of the Cotton Industry (No. 13) Order and (No. 14) Order are noted.
454. Cotton yarn prices. Announcements by the Cotton controller. Manchester Chamber of Com. Monthly Rec. 51(11): 316. Nov. 30, 1940. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31
An explanation of Control of the Cotton Industry (No. 12) Order, issued by the Minister of Supply and dealing with yarn prices, is given.
455. The new Liverpool futures contracts. Textile Weekly 26(666): 740. Dec. 6, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Control of the Cotton Industry Orders numbers 13 and 14, issued by the Minister of Supply are discussed.

456. Reajustamento da indústria algodoeira nacional. Ouro Branco 4(6): 23-24. Oct. 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Readjustment of the national cotton industry [in Brazil].
457. U. S. Dept. of agriculture. Agricultural adjustment administration. National agricultural conservation program. 1941 agricultural conservation program bulletin, supplement no. 2. [U. S.] Natl. Arch. Fed. Register 6(2): 33. Jan. 3, 1941. (Published in Washington, D. C.) 169 F31
ACP-1941-2.
Includes a table showing the state and national acreage allotments of cotton for 1941.
458. U. S. Dept. of agriculture. Agricultural adjustment administration. National agricultural conservation program. 1941 agricultural conservation program bulletin, supplement no. 2. Correction. [U. S.] Natl. Arch. Fed. Register 6(4): 120-121. Jan. 7, 1941. (Published in Washington, D. C.) 169 F31
ACP-1941-2.
A correction notice changing the cotton acreage allotment for Kansas from 768 to 763.
459. U. S. Dept. of agriculture. Agricultural adjustment administration. 1941 county cotton acreage allotments. [U. S.] Natl. Arch. Fed. Register 6(2): 42. Jan. 3, 1941. (Published in Washington, D. C.) 169 F31
Cotton 529
Also noted in Cotton Trade Jour. 21(1): 1, 5. Jan. 4, 1941; Cotton Digest 13(14): 7. Jan. 4, 1941.
460. U. S. Dept. of agriculture. Agricultural adjustment administration. Results of cotton referendum, 1941-42 marketing year. [U. S.] Natl. Arch. Fed. Register 6(2): 42. Jan. 3, 1941. (Published in Washington, D. C.) 169 F31
Also noted in Cotton Trade Jour. 21(2): 3. Jan. 11, 1941.
461. U. S. Dept. of agriculture. Agricultural adjustment administration. Results of cotton referendum, 1941-42 marketing year. [U. S.] Natl. Arch. Fed. Register 6(18): 611. Jan. 28, 1941. (Published in Washington, D. C.) 169 F31
A correction of the figures for Orleans Parish, Louisiana.
462. U. S. Dept. of agriculture. Commodity credit corporation. 1940-41 cotton loans. Charges of warehousemen and lending agencies. [U. S.] Natl. Arch. Fed. Register 6(4): 119-120. Jan. 7, 1941. (Published in Washington, D. C.) 169 F31
Amendment 4, 1940-41 C. C. C. Cotton Form 1--Instructions.

463. U. S. Dept. of agriculture. Commodity credit corporation. 1940-41 cotton loans. Definition of eligible paper. [U. S.] Natl. Arch. Fed. Register 6(4): 119. Jan. 7, 1941. (Published in Washington, D. C.) 169 F31
Amendment 3, 1940-41 C. C. C. Cotton Form 1--Instructions.
464. U. S. Dept. of agriculture. Commodity credit corporation. 1940-41 cotton loans. Liens for compression charges. [U. S.] Natl. Arch. Fed. Register 6(4): 119. Jan. 7, 1941. (Published in Washington, D. C.) 169 F31
Amendment 1 to 1940-41 C. C. C. Cotton Form 1--Instructions.
465. U. S. Dept. of agriculture. Commodity credit corporation. 1940-41 cotton loans. Loan agencies of the Reconstruction finance corporation authorized to handle loan paper and the district served by each agency. [U. S.] Natl. Arch. Fed. Register 6(4): 120. Jan. 7, 1941. (Published in Washington, D. C.) 169 F31
Amendment 2, 1940-41 C. C. C. Cotton Form 1--Instructions.
466. [U. S. Dept. of agriculture. Surplus marketing administration] Extend time for export of cotton under program. Jour. Com. [N. Y.] 187(14422): 13. Jan. 2, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
An announcement of the extension of the time limit "for actual exportation of lint cotton and cotton products under the 1939-40 cotton and cotton products export program" to March 31, 1941, is noted.
Also noted in Cotton Digest 13(14): 4. Jan. 4, 1941.
467. [U. S. Interstate commerce commission] Cottonseed, its products, etc. Traffic World 67(2): 72-73. Jan. 11, 1941. (Published at 418 S. Market St., Chicago, Ill.) 288.8 T672
"In a ninth supplemental report in No. 17000, rate structure investigation, part 8, cottonseed, its products, and related articles, the Commission has amended its findings in the fifth supplemental report, 216 I. C. C. 493, modifying the findings in the original report, 188 I. C. C. 605, as modified in 203 I. C. C. 177, 210 I. C. C. 748, and 214 I. C. C. 331, so far as it prescribes rates from West Memphis, Ark., and certain other points in northeastern Arkansas and southeastern Missouri to points in the northeastern region and to the Ohio River crossings no higher than the contemporaneous rates from Memphis to the same destinations, so as to provide that such rates shall be no higher than the rates prescribed in this proceeding for application from Memphis to the same destinations."

See also Items nos. 482, 494.

Adjudication

468. Cotton held by U. S. ruled not taxable. Cotton Digest 13(15): 3. Jan. 11, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

"A far-reaching suit concerning the right of a county to tax cotton owned by a federal agency was decided in favor of the federal government this week at Oklahoma City."

469. Government indicts cotton operators. Cotton Digest 13(17): 4. Jan. 25, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

"The principal indictment charges false statements in connection with obtaining government loans in excess of \$10,000 on more than 330 bales of cotton in a period in December, 1937, and January, 1938."

470. A worthy but useless effort. Textile Bul. 59(8): 30-31. Dec. 15, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 S82

An editorial commenting on a suit to test the constitutionality of the Wages and Hours Law brought before the Supreme Court by a group of Alabama cotton mills.

MISCELLANEOUS--GENERAL

471. Alabama polytechnic institute. Extension service. A handbook of Alabama agriculture. 268pp. Auburn, Ala., 1939. 275.2 Al 1Ha
Cotton, pp. 59-70, 255. Contains instructions for cultivation, fertilizers, disease control, harvesting, handling, ginning and for producing sea island cotton. Terms used in the cotton market are defined.

472. Antigua. Agricultural department. Report...1939. 37pp. [Trinidad, B. W. I., Imperial college of tropical agriculture] 1940. 102 W52 1939

Work relating to cottonseed selection, pink bollworm control, varietal experiments, and production and sale of the cotton crop is reported briefly.

473. Blackford, H. J. Textile securities followed pattern of cloth trading in 1940. Blackford finds cotton mills in strong financial position as industry enters new year. Jour. Com. [N. Y.] 187(14443): 21A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

Includes a tabulation of quotations on the more active Southern textile stocks, showing the prices in January, 1926, the so-called normal year; 1933, as representing the depth of the depression; 1937, the culmination of the inflation boomlet; 1940 and 1941; also the high and low quotations for the year 1940.

474. Blue book of Southern progress, 1940. 90pp. Baltimore, Md.,
Manufacturers record publishing co. [1941] 252 M312
Partial contents: Cotton goods manufactures, 1937, p. 25;
Value of cotton manufactures, census years 1910-1937, p. 25;
Active cotton spindles in Southern mills, 1910-1939, p. 27;
Operating spindle hours in Southern mills, 1936-1939, p. 27;
Active looms in Southern cotton mills, 1900-1939, p. 27; Cotton
consumed in the South, 1900-1939, p. 28; Classified output crude
cottonseed products, 1935-1939, p. 28; Value crude cottonseed
products, 1935-1939, p. 28; Distribution of American commercial
cotton crop, 1860-1939, p. 29; Cotton acreage, 1938-1939, p. 38;
Production and cash income from cotton lint, 1938-1939, p. 38;
Average price in cents per pound of 7/8-inch white standard
middling upland spot cotton based on ten Southern spot markets,
season 1928-29--1939-40, p. 38; American cotton crops and prices,
1910-1939, p. 39; Production and cash income from cottonseed,
1938-1939, p. 39.
475. Cox, A. B. Some major agricultural problems of Texas. Acco Press
19(1): 5-9. Jan. 1941. (Published by Anderson, Clayton & Co.,
Houston, Tex.) 6 Ac2
Address before the Second Bankers' Conference, September 2-5,
1940, Austin, Texas.
The place of cotton in the farming system in Texas is con-
sidered.
476. Fagundes, Alvaro B. O Instituto de pesquisas agronomicas de
Pernambuco. Rodriguésia 4(12): 15-53. Sept.-Dec. 1939. (Pub-
lished at Jardim Botânico, Gávea, Rio de Janeiro, Brazil)
442.8 R61
The Institute of Agronomic Experiments of Pernambuco.
The work of the Institute is described. It includes studies
of cotton insects, phytopathology, and the Experimental Cotton
Service.
477. Gries, Caroline G., and Ellis, Dorothy M. Cotton, selected statis-
tics relating to Latin America and the United States, 1923-1940.
48pp., processed. Washington, D. C., U. S. Dept. of agriculture,
Office of foreign agricultural relations, 1941.
Tables give statistics of acreage, yield, production, exports,
imports and prices of cotton in the United States and specified
Latin American countries.
478. Jones, J. Roy. Problems of agriculture. U. S. Cong. Cong. Rec.
87(8): A159-A160. Jan. 16, 1941. (Published in Washington, D. C.)
Address before an agricultural meeting of farmers, cotton
manufacturers, and others in the city of Columbia, November 22, 1940.
The cotton situation in the United States is discussed.

479. Manchester cotton association. Mr. J. M. Cook (Cook & Thorp, Ltd.) re-elected president. Textile Weekly 26(665): 708. Nov. 29, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Brief report of 46th annual meeting, held November 26, 1940. Extracts from address of J. M. Cook are included.
480. New York cotton exchange. Cotton year book...1940. Prepared under the direction of Alston H. Garside. 181pp. New York, New York Cotton Exchange, 1940. 287 M488Y 1940
"The thirteenth Cotton Year Book...contains practically all the series of statistics given in the twelfth Year Book, extended to cover the 1939-40 season." - Foreword.
481. 1941 maid of cotton. Cotton Trade Jour. 21(4): 8. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The selection of Alice Erle Beasley of LaGrange, Tenn., is announced.
482. [Oldham cotton mill managers' association] Present-day trade difficulties. Markets, parities, government regulations and exports. Oldham managers' open discussion. Textile Weekly 26(666): 745-748. Dec. 6, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Report of meeting held November 22, 1940.
483. Philippine Islands. Dept. of agriculture and commerce. Semiannual report of the Secretary of agriculture and commerce, January 1 to June 30, 1939. 119pp. Manila, Bureau of printing, 1939. 25 P533
Cotton, p. 31.
484. Regard research as chief factor in British trade. Find technicians responsible for progress of country's textile industry. Jour. Com. [N. Y.] 187(14443): 14A. Jan. 27, 1941. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
485. St. Kitts-Nevis. Agricultural department. Report...1939. 38pp. [Trinidad] 1940. 102 W526 1939
Partial contents: Cotton, pp. 4-6, 14-15, 19-20, 23; Report on the marketing of peasants' cotton in Nevis, p. 32; Government ginnery, Nevis, p. 34.
486. Segundo congreso algodonero Argentino. La Cosecha 3(29): 35-37. Nov. 1940. (Published at Av. R. Saenz Peña 943, Buenos Aires, Argentina) 9 C82
Second Argentine Cotton Congress.
The program of the congress, to be held beginning December 3, 1940, is summarized.

487. Skinner's cotton trade directory of the world, 1940-41. 983pp.
Manchester, Thomas Skinner & co., (publishers) ltd., 1940.
304.8 Sk3 18th, 1940/41
488. Sociedad nacional agraria, Peru. Memoria que la junta directiva...
presenta a la Asamblea general ordinaria, año 1939-40. 221pp.
Lima, Peru, 1940. 9.8 Sol1 1939/40
Report that the executive committee presented to the Ordinary
General Assembly. Cotton work for the year is reviewed and
statistics of supply and movement for Peru are given.
489. Texas. Agricultural experiment station. Fifty-second annual report,
1939. 304pp. [College Station, 1940]
Partial contents: Cotton root rot, p. 16; Cottonseed meal in
rations of ground milo heads and silage for fattening steers,
p. 44; Limited and deferred feeding of grain with rations of
cottonseed meal and silage, pp. 44-45; Boll weevil, pp. 51-52;
Cotton flea hopper, pp. 52-56; Pink bollworm, pp. 56-57; Cotton
bollworm, pp. 57-58; Thrips on cotton, p. 58; Cotton insect survey,
pp. 58-59; Comparison of nitrogenous fertilizers for cotton,
p. 63; Inheritance in cotton, pp. 65-66; Cotton breeding and
genetics, pp. 66-67; Cotton variety tests, pp. 67, 82; Cotton
improvement, p. 68; The spacing of cotton, p. 68; Breeding cotton
for mechanical harvesting, p. 69; Cytogenetics and improvement
in cotton, pp. 75-76; The use of growth promoting substances for
the treatment of the cotton plant, pp. 76-77; Spacing and fertilizer
test with cotton, p. 82; Green manure test, p. 83; Variety spinning
test, p. 83; Regional variety wilt studies, p. 83; Cotton root rot
investigations, pp. 84-86; Girdling and topping of cotton plants
as affecting survival of *Phymatotrichum omnivorum*, p. 86; Age of
cotton plants and susceptibility to field inoculation with phy-
matotrichum root rot, p. 86; Inoculation experiments [with phy-
matotrichum root rot] in the greenhouse, p. 87; Studies on the
cause of immunity of monocotyledonous plants to phymatotrichum root
rot, p. 87; Field studies on cotton root rot, p. 87; Greenhouse
studies on infection [by introduction of sclerotia] of cotton
seedlings, pp. 87-88; Chemical investigation of resistance of
plants to phymatotrichum root rot, pp. 89-91; Regional cotton wilt
studies, p. 91; Fruiting of cotton, pp. 91-92; Operating costs
and financial conditions of gins in Texas, pp. 101-102; Cottonseed
meal as a feed in swine nutrition, p. 108; Mechanical harvesting
of cotton, pp. 122-123; Efficiency in distribution and placement
of cottonseed and fertilizer, pp. 123-124; Treatment of cottonseed
for planting purposes, p. 124; Hardness of cottonseed cake, p. 132.
490. Textile world yearbook and catalog, 1940. Eighteenth year. 434pp.
New York, McGraw-Hill publishing company, inc. [1940] 304.9 T31
"Textile world publications."
Textile bibliography, pp. 89-97.

491. Thompson, L. O. Cotton bur ashes a valuable by-product. Cotton Ginners' Jour. 12(4): 7, 14. Jan. 1941. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

Use of bur ashes as a source of potash is suggested.

492. U. S. Dept. of agriculture. Achieving a balanced agriculture. How the national farm program meets the changing problem... Rev. April 1940. 74pp. Washington, D. C., 1940.
Partial contents: Cotton stamp plan, p. 35; Home-made mattress program, p. 36; Wheat and cotton export programs, p. 59.

493. U. S. Dept. of agriculture. Farmers in a changing world. The yearbook of agriculture, 1940. 1215pp. [Washington, D. C., 1940] 1 Ag84Y 1940

Work of the Department of Agriculture relating to cotton is discussed throughout the volume.

494. U. S. Dept. of agriculture. Report of the Secretary of agriculture, 1940. 184pp. Washington, D. C., 1940. 1 Ag84

Partial contents: Effects of commodity loans, pp. 43-44; Cotton surplus disposal, pp. 53-54; Other crop insurance plans [cotton], p. 61; Cotton classing for improvement groups, p. 113; Cotton crisis deepens, pp. 116-119; Soils and plant nutrition, pp. 150-151; Clothing and textile studies, p. 166; Fighting insect pests, pp. 166-171; Trading in futures, pp. 171-172.

495. [U. S. Dept. of agriculture. Agricultural marketing service] Cotton in defense program discussed in radio address. Cotton Trade Jour. 21(4): 3. Jan. 25, 1941. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

496. U. S. Dept. of agriculture. Bureau of agricultural chemistry and engineering. Report of the chief...1940. 86pp. Washington, D. C., 1940.

Partial contents: Cottonseed allergens, pp. 39-40; Ginning and packing of cotton, pp. 74-76.

497. U. S. Dept. of agriculture. Bureau of home economics. Report of the chief...1940. 21pp. Washington, D. C., 1940. 1 H75

Partial contents: Cotton hosiery, pp. 12-14; Fabric deterioration by micro-organisms, pp. 14-16; Consumer buying guides [cotton fabrics], p. 17.

498. U. S. Dept. of agriculture. Bureau of plant industry. Report of the chief...1940. 56pp. Washington, D. C., 1940. 1 P69

Partial contents: Breeding new varieties of cotton, p. 7; Colchicine found valuable in cotton genetic research, p. 8; Cotton improvement in one-variety communities, p. 8; Resistant varieties and potash aid control of cotton wilt, p. 9; Phosphorus and nitrogen

may increase cotton wilt, p. 9; Fertilizer studies on southern truck crop and cotton soils, p. 30; Fertilizers and plant composition affect cotton root rot, p. 30.

499. U. S. Dept. of agriculture. Office of experiment stations. Report on the experiment stations, 1939. By J. T. Jardine and F. D. Fromme. 265pp. Washington, D. C., 1940. 1 Ex6
Statements summarize the work at experiment stations on cotton fiber quality, cultivation, harvesters, fertilizers, rotations, diseases, insects, textiles and clothing, cotton quality and prices.
500. U. S. Dept. of agriculture. Office of foreign agricultural relations. Report of the director...[1940] 14pp. Washington, D. C., 1940.
Establishment of "an International Cotton Advisory Committee", p. 10.
501. Verela, Eugenio. El algodón en la economía chaqueña. Argentine Republic. Junta Nacional del Algodón. Boletín Mensual no. 68, pp. 588-593. Dec. 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3
Cotton in the economy of the Chaco [Argentina]
502. A year of work. The National cotton council. Cotton Digest 13(16): 3, 12-13. Jan. 18, 1941. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
The promotional activities of the National Cotton Council of America are reviewed.

ooOoo

C O T T O N R E P O R T S

ISSUED CURRENTLY BY UNITED STATES GOVERNMENT DEPARTMENTS

U. S. Department of Agriculture, Agricultural Marketing Service

Crop Reports (Summarized in Crops and Markets, which is issued monthly):
to be issued May 23, July 8, Aug. 8, Sept. 8, Oct. 8, Nov. 8, Dec. 8,
1941.

Grade and Staple Reports:

Semi-Monthly Cotton Grade and Staple Report: issued at Washington
during the active ginning season.

Semi-monthly reports for each state: issued during the principal part
of the ginning season.

Market News Reports:

Cotton Quotations: issued weekly at Atlanta, Ga., Memphis, Tenn., and
Dallas and El Paso, Tex.

Report of the Designated Spot Cotton Markets: issued daily at Atlanta, Ga.

Weekly Cotton Market Review: issued at Washington, D. C., Atlanta, Ga.,
Memphis, Tenn., and Dallas and El Paso, Tex.

Weekly Cottonseed Review: issued at Memphis, Tenn., and Atlanta, Ga.

Weekly Review--American Cotton Linters: issued at Washington, D. C.

U. S. Department of Agriculture, Bureau of Agricultural Economics

Cotton Situation: issued monthly.

U. S. Department of Agriculture, Commodity Exchange Administration

Daily Reports on Volume of Sales for Future Delivery and Open Contracts:
issued at New York, New Orleans and Chicago.

Trade in Cotton Futures: issued monthly at New York.

Unfixed Call Purchases and Sales of Cotton Based on New York Futures:
issued weekly at Washington, Chicago, New York and New Orleans.

Volume of Trading, All Markets: issued monthly at Washington.

U. S. Department of Commerce, Bureau of the Census

Activity in the Cotton Spinning Industry: issued monthly.

Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles:
issued monthly.

Cottonseed Products Manufactured and on Hand at Oil Mills: issued monthly.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufac-
tured, Shipped out, on Hand and Exported: issued monthly.

Exports and Imports of Cottonseed Products: issued monthly.

Report on Cotton Ginnings: to be issued Mar. 20, Aug. 8, 23, Sept. 8, 23,
Oct. 8, 25, Nov. 8, 21, Dec. 8, 20, 1941.

